

HAN University of Applied Sciences - School of Engineering and Automotive
Bachelor Mechanical Engineering - Literature list and other study resources - 2022-2023 academic year

ISBN number	Compulsory literature Title	Author	Edition	Price	1st Year	1st Year	2nd Year	2nd Year
					S1	S2	S3	S4
9789001888060	Design Handbook, a methodical framework	Zeiler, W.	1	€ 58,95	C	C	C	C
9990002072178	Engineering Methods Pack - cardset	via Studystore	1	€ 4,95			C	
9781292088723	Engineering Mechanics: Dynamics in SI Units	Hibbeler, R.C.	14	€ 66,27	C		C	
9781292089232	Engineering Mechanics: Statics in SI Units	Hibbeler, R.C.	14	€ 60,79	C			
9789813157880	Fluid Mechanics: Fundamentals and Applications	Cengel, Y.A., Cimbala, J.M.	4	€ 64,17		C		
9789024427390	Industrial Production, the manufacture of mechanical products	Prof. dr. ir. H.J.J. Kals, Ir. C.A. van Luttervelt, Ir. K.A.	2	€ 91,95	C		C	
9780128184820	Manual of Engineering Drawing	Simmons, C. H.	5	€ 62,49	C	C		
9780081023761	Materials: Engineering, Science, Processing and Design	Michael Ashby, Hugh Shercliff, David Cebon	4	€ 70,35	C	C	C	
9781292178202	Mechanics of Materials in SI Units, 10th Edition	Hibbeler, R.C.	10	€ 69,33	C		C	
9789001575625	Project Management, a practical approach	Grit, R.	5	€ 43,95		C		
9789001812591	Report writing for readers with little time	Elling, R	1	€ 62,95	C			
9789001895464	Research. This is it! v	Dr. D.B. Baarda	3	€ 43,95		C		
9789039526453	Roloff/Matek machineonderdelen / deel Formuleboek	Muhs, c.s.	5	€ 49,95	C		C	
9990002081002	VCA-VOL / VIL-VCU book English version 5.5	PBNA	1	€ 65,40	C			

C = compulsory / O = optional / R =

* 3rd Year, S6: Within the PLC, students decide which literature they need together with their lecturers and the company supervisors. They also decide together which learning material is needed to carry out the project/research. The lecturer monitors the level of the literature and learning material.

General requirements

calculator (with mathematical functions)	Casio fx-82... of Texas Instruments TI-30...				x	x	x	x
laptop specifications	https://www.han.nl/opleidingen/bachelor/werktuigbouwkunde/vt/starten/laptop/				x	x	x	x
vernier caliper	via teacher	about	€ 20,00		x	x	x	x
personal protective equipment	provided by education institute	via teacher			x	x	x	x

Readers via campusstore

readernr. 7953	Introduction to automation and logical circuits	via # 00 (pdf) of via HAN Webshop (hardcopy)		€ 5,05		x		
readernr. 7957	Exercises Dynamics	via HAN Webshop		not yet known	x		x	
readernr.7955	Exercises Statics	via HAN Webshop		not yet known	x			
readernr. 6119	PTEC-2: Injection moulding	via campusstore		€ 12,80	x			
readernr. ...	Composite Materials - an introduction (R.P.L. Nijssen)	will be provided for free					x	
readernr. 7941	Heat theory for technicians -Chapter 3, 4, 6	via HAN Webshop		€ 22,70				x
readernr. 7918	Feedback control of dynamic systems	via HAN Webshop		€ 19,15				x
readernr. 7512	Internal Combustion Engines	will be provided for free						x
readernr. 7198	Heat transfer	will be provided for free						x
readernr. 7920	Electrical Engineering for Mechanical Engineers and other technicians			€ 36,20		x		
	Info under content ENG 2122 S5 - stage / internship	via #00						
	Graduation guide current edition on "ENG - S8 Afstuderenden / Graduation Internship"	via #00						
reader (WTO2)	The reader contains the for this course relevant chapters of the book "Ise Shigley"	via teacher		not yet known	x			

Software

CES Edupack	Granta Design	via teacher		HAN license	x	x		
CoDeSys		via teacher		HAN license		x	x	
DrStat	Fingertips	via teacher		€ 7,50		x		
Labview software	National instruments			HAN license				x
Minitab		via teacher		HAN license		x		
Matlab Simulink software,				Via Surfspot				x
Microsoft Office with Word, Excel		via SURFspot			x	x	x	x
Siemens NX + NASTRAN module	Educational license	via teacher		HAN license			x	
Solid Works		via teacher		HAN license	x	x		
SoWiSo	License for digital learning environment WIS can be purchased in the first lesson week.			€ 22,50	x	x		